

Ivanov, G. S., Doctor of Science

1. Svoystva splavov uraniya s molybdenum, niobium, i zirkoniyem i ikh svoistva i vlastnosti; Collection of Articles; Naukova Gosatomizdat, 1963. 10000 copies printed.
2. Grigorovich, V. K., and G. S. Ivanov, "Study of Mechanical Properties of Uranium Alloys With 1-40 at% Molybdenum"
3. Grigorovich, V. K., and B. S. Aksenov. Strength and Creep Resistance of Binary Uranium Alloys With 20-95 at% Uranium and 5-50 at% Niobium
4. Grigorovich, V. K., and N. Ye. Sladkova. Temperature Dependence of Mechanical Properties and Creep Resistance of Some Binary Uranium Alloys With Zirconium, Niobium, or Molybdenum
5. Grigorovich, V. K., and A. I. Dedyurin. Mechanical Properties of Wrought Binary Uranium Alloys With Zirconium, Niobium, or Molybdenum
19. Sladkova, N. Ye., and V. K. Grigorovich. Creep Resistance and [Structural] Stability of Binary Uranium Alloys With Titanium, Vanadium, or Zirconium During Cyclic Heating in the α -Region

Card 5/10

... S. S., Doctor of Chemistry, 1963.

Структура и свойства сплавов урана, тория и циркония. Сборник статей
Structure and Properties of Uranium, Thorium, and Zirconium
Alloys; Collection of Articles; Moscow, Gosatomizdat, 1963.

378 p. 2000 copies printed.

20. Gomozov, L. I., and O. S. Ivanov. Behavior of uranium-
Zirconium-Niobium Alloys During Cyclic Heat Treatment 169

21. Gomozov, L. I., and O. S. Ivanov. Corrosion Resistance
of Certain Uranium Alloys 170

22. Rad'yeva, T. A., and R. I. Kuznetsova. Hardness and Cor-
rosion Properties of Uranium-Molybdenum-Chromium Alloys 171

23. Gomozov, L. I. Mechanical Properties of Uranium-Zirco-
nium-Niobium Alloys 194

24. Jagrov, G. N., Yu. S. Virgil'yev, and O. S. Ivanov.
Mechanical Properties of Uranium-Molybdenum-Zirconium
and Uranium-Zirconium-Niobium-Molybdenum Alloys at Ele-
vated Temperatures 202

25. Virgil'yev, Yu. S. Aging of Multicomponent γ -Uranium-
Base Solid Solutions 217

Card 6/10

[REDACTED]

STRUCTURE AND PROPERTIES OF ZIRCONIUM, THORIUM, AND NIOBIUM ALLOYS
Collection of Articles by Sov. Gosatomizdat, 1963.
1000 copies printed.

19. Kogayeva, T. A., and G. K. Alekseyenko. Structure of Alloys of the Thorium-Zirconium-Niobium System

19. Kogayeva, T. A., and G. K. Alekseyenko. Corrosion Properties of Thorium-Zirconium-Niobium Alloys

19. Kogayeva, T. A., and L. I. Rybachova. Structure of Zr-Nb Alloys

PART III. ZIRCONIUM-BASE ALLOYS

19. Kogayeva, T. A., and L. I. Rybachova. Structure of Binary Zirconium-Bismuth and Zirconium-Lead Alloys in the Solid State

19. Terekhov, G. I., and O. S. Ivanov. Phase Diagram of the Zirconium Corner of the Zirconium-Chromium-Tin System

Page 110.

ACC NR: AP7005751

(A) SOURCE CODE: UR/0126/67/023/001/0028/0036

AUTHOR: Alekseyevskiy, N. Ye.; Ivanov, O. S.; Rayevskiy, I. I.; Step-anov, N. V.

ORG: Institute of Metallurgy im. A. A. Baykov, Academy of Sciences SSSR (Institut metallurgii)

TITLE: Phase diagram of the niobium titanium-zirconium system and superconducting properties of its alloys

SOURCE: Fizika metallov i metallovedeniye, v. 23, no. 1, 1967, 28-36

TOPIC TAGS: niobium, titanium, zirconium system, niobium-titanium zirconium alloy, alloy phase diagram, alloy phase composition, alloy structure system, superconducting alloy

ABSTRACT: A study has been made of several alloys of the niobium-titanium-zirconium system at five sections with a constant niobium content of 6, 12, 30, 50 and 70%. Alloys were melted from 99.7%-pure iodide zirconium, 99.8%-pure iodide titanium and 99.7%-pure cermet niobium. Phase diagrams of the system at 500, 550, 600 and 800°C were plotted on the basis of obtained data. It was found from the phase diagrams that the area of splitting into two solid solutions $\beta_{Nb} + \beta_{Zr}$ gradually narrows with the introduction of titanium

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UDC: 669.017:537.312.62

ACC NR: AF7005751

into the alloys. At temperatures below 525°C, ternary alloys of the area adjacent to the niobium corner of the system are in a two-phase state $\beta_{Nb} + \alpha_{Ti-Zr}$. The one-phase area of β_{Nb} -solid solution at 550—500°C juts out into the ternary system along the line bisecting the niobium angle of the diagram. An even decrease of the critical temperature of transition to the superconducting state was observed in alloys which were in the state of β -solid solution and were subjected to a high degree of cold deformation (96% reduction). At a complete replacement of zirconium with titanium, this decrease was 1—2°K (see Fig. 1). In sections at 30 and 50% (Ti + Zr) of

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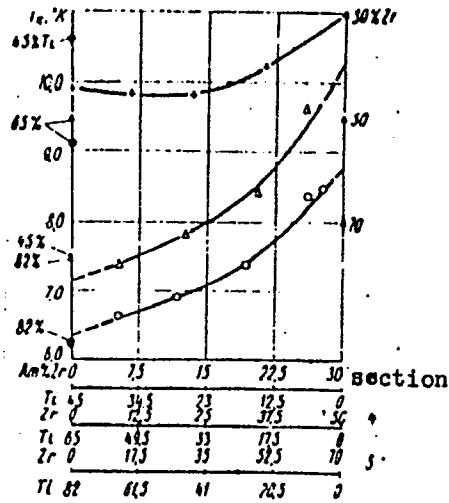


Fig. 1. Composition dependence of the temperature of transition to the superconducting state for alloys of the niobium-titanium-zirconium system

▲ - [6] Cast specimens; ● - [5] cold deformation (96% reduction); sections:
+ - 3; △ - 4, ○ - 5.

alloys cold-deformed and annealed at 550°C, only a small decrease of critical current density in a field of 20,000 oersteds was noticed when about half the zirconium was replaced with titanium. Orig. art. has: 10 figures and 2 tables. [TD]

SUB CODE: 11/ SUBM DATE: none/ ATD PRESS: 5117

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"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000619110019-3

ALEKSANDROV, N.N.; IVANOV, O.T.

Preventing the freezing on of gauze in plane-table observations.
Trudy GGO no.138:86-88 '63.
(MIRA 17:2)

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000619110019-3"

IVANOV, O.V., inzh.

Plotting power performance curves for mines. Nauch. dokl. vys. shkoly;
gor. delo no. 2:161-171 '58. (MIRA 11:6)

1. Predstavlena kafedroy gornoj elektrotehniki Leningradskogo
gornogo instituta im. G.V. Plekhanova.
(Electricity in mining)

IVANOV, O.V.

Electric power consumption in mines of Estonia Shale Trust. Zap.Len.
gor.inst. 35 no.1:66-69 '57. (MIRA 10:10)
(Estonia--Electricity in mining) (Shale)

8(3)

SOV/112-59-5-8884

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 5, p 66 (USSR)

AUTHOR: Ivanov, O. V.

TITLE: Constructing Power Characteristics of Mines

PERIODICAL: Nauchn. dokl. vyssh. shkoly. Gorn. delo, 1958, Nr 2, pp 161-171

ABSTRACT: Electric-energy consumers can be subdivided into two groups:

- (1) consumers directly associated with production of useful minerals;
- (2) auxiliary installations (water pumping, ventilation, shops, lighting, etc.).

The first-group consumers can be subdivided into: (1) continuous mechanisms and (2) cyclic mechanisms. The continuous mechanisms can operate:

- (1) continuously with variable load, (2) intermittently with a constant load, and (3) intermittently with variable load. Power characteristics for the above-listed operating conditions of continuous mechanisms are presented. A characteristic of cyclic mechanisms is given. Formulae for the mine overall power characteristic are presented. A "variation coefficient" is used for

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SOV/112-59-5-8884

Constructing Power Characteristics of Mines

selecting the time duration in determining energy consumption data. The influence of operating conditions of the first-group consumers upon the power-characteristic and energy-consumption level of the mine is reported. Examples of computing power characteristics, as well as experimental characteristics, of a shale mine are given.

B.N.A.-K.

Card 2/2

BAUMAN, V.G., inzh.; IVANOV, O.V., inzh.; KOMAROV, B.I., inzh.

Longitudinal capacitance compensation of voltage drop in mine
panel circuits. Nauch.dokl.vys.shkoly; gor.delo. no.4:137-146
'58. (MIREA 12:1)

1. Predstavleno kafedroy obshchey elektrotehniki i elektricheskikh mashin Leningradskogo gornogo instituta imeni G.V. Plekhanova.

(Electricity in mining)
(Condensers (Electricity))

IVANOV, O.V.

Sampling and estimating the reserves of accessory minerals in
nonferrous and rare metal deposits. Razved. i okh. nedr 26 no.4:16-21
Ap '60. (MIRA 15:7)

1. TSentral'no-Kazakhstanskoye geologicheskoye upravleniye.
(Ores—Sampling and estimation) (Trace elements)

85528

1960 also 2203

S/032/60/026/011/013/035
B015/B066

AUTHORS: Yermolov, I. N., Ivanov, O. V., and Krakovyak, M. F.

TITLE: Luminescence and Ultrasound in Flaw Detection

PERIODICAL: Zavodskaya laboratoriya, 1960, Vol. 26, No. 11,
pp. 1239-1241

TEXT: The method described has been registered by the Komitet po delam izobreteniy i otkrytiy pri Sovete Ministrov SSSR (Committee of Inventions and Discoveries at the Council of Ministers of the USSR), effective as of March 22, 1960. The novelty of this method is that the part is submerged in phosphor and irradiated with an intense ultrasonic wave. The wetting of the part with the phosphor is thus considerably improved, defects are purified from inclusions, oxide films are destroyed, and a preparation of the part is avoided in this way. The subsequent operations are carried out as usually with the luminescence method. A schematic representation of the device for ultrasonic treatment of parts in phosphor shows that the ultrasonic waves are emitted from a piezoelectric crystal plate and are

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Luminescence and Ultrasound in Flaw
Detection

S/032/60/026/011/013/035
B015/B066

focussed by means of a lens, spread in the phosphor solution and are incident upon the part through a screen. The piezoelectric crystal plate is made of quartz or barium titanate and silvered on both sides. The distance of the focus of the lens which warrants the focussing of the ultrasound upon the site of the part to be inspected is calculated from an equation. The generator has a double circuit with self-excitation on two equation. The generator has a double circuit with self-excitation on two γ -50 (GU-50) tubes. The rectifier which feeds the generator has a combined voltage circuit with two 543S (5TsZS) kenotrons, in a way that the total anode potential will be 900 v. When comparing the figures of making visible cracks due to polishing of a part, it may be seen that the formation of cracks is far better confirmed by the method described than by means of the conventional luminescence method. The authors point out that also the flaw detection by means of dyes could be appreciably improved by using ultrasound. The device described above and designed in the laboratoriya defektoskopii TsNIITMASH (Laboratory for Quality Control of the TsNIITMASH) works at a frequency of up to 800 kc/sec. There are 2 figures.

Card 2/3

BAUMAN, V.G., inzh.; IVANOV, O.V., inzh.; KOMAROV, B.I., inzh.

Self-excitation of asynchronous motors with series capacitors.
Elektrichestvo no.5:38-44 My '61. (MIRA 14:9)

1. Leningradskiy gornyy institut.
(Electric motors, Induction)

BAUMAN, V. G., inzh.; IVANOV, O. V., inzh.; KOMAROV, B. I., inzh.

Power engineering factors in the operation of the main electro-mechanical equipment of a section in shale mines. Izv. vys. ucheb. zav.; gor. zhur. no.9:132-139 '61.

(MIRA 15:10)

1. Leningradskiy ordena Lenina i ordena Trudovogo Krasnogo Znameni gornyy institut imeni G. V. Plekhanova. Rekomendovana kafedroy obshchey elektrotekhniki i elektricheskikh mashin.

(Electricity in mining) (Shale)

BAUMAN, V.G., inzh.; IVANOV, O.V., inzh.; KOMAROV, B.I., inzh.

Problem concerning the efficiency of using series connected condensers for compensating losses in the power distribution networks of ore-smelting furnaces. Elektrичество no.1:21-25 Ja '62. (MIRA 14:12)

1. Leningradskiy gornyy institut imeni Plekhanova.
(Electric furnaces)
(Electric power distribution)

KOZHEVNIKOVA, N.Ye.; IVANOV, O.V.

Triphenylarsine. Metod.poluch.khim.reak.i prepar. no.4/5:40-42
'62. (MIRA 17:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut khimicheskikh
reaktivov i osobo chistiykh khimicheskikh veshchestv.

BAUMAN, V.G., inzh.; IVANOV, O.V., inzh.; KOMAROV, B.I., inzh.

Laboratory study of an apparatus for longitudinal capacitive compensation of voltage losses in an electric power distribution network in a mine. Izv. vys. ucheb. zav.; gor. zhur. 6 no.3: 93-100 '63. (MIRA 16:10)

1. Leningradskiy ordena Lenina i Trudovogo Krasnog Znameni gornyy institut imeni G.V.Plekhanova. Rekomendovana kafedroy obshchey elektrotekhniki i elektricheskikh mashin.

IVANOV, O.V.

Automatic potometer. Bot. zhur. 48 no.5:688-693 My '63.
(MIRA 17:1)

1. Agrofizicheskly nauchno-issledovatel'skiy institut,
Leningrad.

IVANOV, O.V.

"Gravitron", an automatic laboratory installation for long-term continuous recording of changes in the biomass of plants and the simultaneous determination of the amount of water absorbed by their root systems. Bot. zhur. 50 no.4:517-522 Ap 1965.

(MIRA 18:5)

1. Agrofizicheskiy nauchno-issledovatel'skiy institut, Leningrad.

STOLYAROV, Isaak Moiseyevich; IVANOV, O.V.; nauchn, red.; ASHKEM,
T.D., rev

[Magnetic amplifiers with transistor and magnetic switches]
Magnitnye usiliteli s poluprovodnikovymi i magnitnymi kliuchami. Moskva, Energiia, 1965. 78 p. (Biblioteka po avtomatike, no.133)
(NIKA 18:7)

KREMENSKAYA, I. N.; BRUDZ, V. G.; AVILINA, V. N.; IVANOV, O. V.; DAIOMKO, V. M.

"Physikalisch-chemische Untersuchung von Mikroverunreinigungen in nichtwassrigen
nichtmischbaren Systemen der Chloride der IV. Gruppe."

report submitted for 2nd Intl Symp on Hyperpure Materials in Science and
Technology, Dresden, GDR, 28 Sep-2 Oct 65.

All-Union Inst fur reine Reagentien und Reinststoffe, Moskau.

IVANOV, P.

Inhabitants of Stavropol' plan and organize public services in
their city. Zhil.-kom. khoz. 6 no.6:2-6 '56. (MLRA 9:12)

1. Zamestitel' predsedatelya Stavropol'skogo gorispolkoma.
(Stavropol'--Municipal services)

IVANOV, P.

Safety measures to be used when handling cargos with paired
booms. Mor. flet 19 no.5:14-16 My '59. (MIRA 12:7)

1. Vedushchiy konstruktor Tsentral'nogo konstruktorskogo byuro sude-
stroitel'noy promyshlennosti.
(Cargo handling)

IVANOV, P.; GERCHEV, A.

Two cases of osteochondropathy of unusual localizations.

Khirurgiia, Sofia 8 no.2:188-190 1955.

(SHOULDER, diseases,
osteochondropathy)

(ELBOW, diseases,
osteochondropathy)

(OSTEOCHONDRITIS,
elbow & shoulder)

IVANOV, P.

Increase the self-interest of local enterprises in obtaining a
profit. Fin. SSSR 19 no.6:72-73 Je '58. (MIRA 11:6)

1. Nachal'nik ot dela finansirovaniya narodnogo khozyaystva Kalinin-
skogo oblfinot dela.
(Russia--Industries)

IZRAILY, F.

(The work of Party organizations in schools for the introduction of polytechnik education and manual training of students. illus.)

Sofia, Bulgaria, Bulgarska komunisticheska partiia, 1958

Monthly List of East European Accessions (EEAI), LC, Vol. 6, No. 6, Sept. 59

Unclassified

IVANOV, P. (g. Khar'kov); PETUSHKOV, G. (g. Khar'kov)

Hardening the axle box part of streetcar axles. Zhil.-kom. 11
no.4:24-27 Ap '61. (MIRA 14:6)
(Kharkov—Streetcars—Maintenance and repair)

IVANOV, P.

With the help of the collective farm construction brigade. Sel'.
Stroi. 12 no. 10:2-3 0 '57. (MLRA 10:11)

1. Nachal'nik Gzhatskogo rayonnogo otdela po stroitel'stvu v kolkhozakh
Smolenskoy oblasti.
(Gzhatsk District--Housing, Rural)

COUNTRY	: URSS
CATEGORY	: Chemical Technology. Chemical Products and Their Applications. Pharmaceuticals. Vitamins*
ABS. JOUR.	: RZKhim., No. 23 1959, No. 83252
AUTHOR	: Ivanov, P.; Ivanova, L.
INST.	: -
TITLE	: Study of Pimpinella Saxifraga L.
ORIG. PUB.	: Tr. N-i. in-t farmatsiya, 1957, 1, 80-81
ABSTRACT	: Bluesh-violet essential oil was found in the roots of the above mentioned plant. Quantity of this oil represented 0.70%. Ether number is 127.8 and specific gravity is 0.972. The oil possesses blood vessel dilating character- istics to a greater extent than does vanaver- rin, kellin and "Ol. Anisi".
*Antibiotics.	
CARD:	1/1

H - 62

IVANOV, P., ZAKHARIEV *I.*

"Working Straw With Lime." p. 9, (KOOPERATIVNO ZEMEDELIE) Vol. 7, No. 10, 1952,
Sofiya, Bulgaria.

SO: Monthly List of East European Accessions L.C., Vol. 2, No. 11, Nov. 1953, Uncl.

USSR/Soil Science - Tillage. Amelioration. Erosion.

J

Abs Jour : Ref Zhur Biol., No 1, 1959, 1424

Author : Ivanov, P.

Inst : ~~Physico-chemical~~
Title : Soil Erosion and Control Methods in Moldavia

Orig Pub : Zemledeliye i zhivotnovodstvo Moldavii, 1957, No 6,
14-20

Abstract : Soil erosion has damaged about 75 percent of the arable land in Moldavia. About 250 thousand hectares of this are badly eroded. To control the soil erosion processes it is recommended that cross plowing on slopes, forest planting and protective herb-strip sowing be applied. To retain precipitation which has fallen on the fallow fields strip tilling at every 10 meters should be used. It is best to protect the fallows with buffer strips. The fields which are freed from early crops might well be utilized for stubble and under-sown crops.

Card 1/2

BULGARIA/General and Special Zoology - Insects.

P-6

Abs Jour : Ref Zhur - Biol., No 5, 1958, 21106

Author : Ivanov, P.

Inst :

Title : New Chemical Means of Controlling Pests of Fruit Plants.

Orig Pub : Ovoshcharstvo i gradinarstvo, 1957, No 6, 16-19.

Abstract : No abstract.

Card 1/1

IVANOV, P.

AGRICULTURE

Periodical KERPLATIVA ZEPHELEZ. No. 11, Nov. 1958.

IVANOV, P. Cuscuta in Bulgaria and measures for fighting it. p. 24.
Method for increasing the selective capacity of herbicides. p. 26.

Monthly List of East European Accessions (MEL) EC, Vol. 8, no. 3, March, 1959. Uncl.

VISHNYAKOV, N.K.; YANCHILIN, L.V. Prinimali uchastiye: ABRAMOCHKIN,
V.A.; GUSEV, R.G.; IVANOV, P., red.; BELOVA, N., tekhn.red.

[Livestock feeding in the row crop system of agriculture]
Kormlenie zhivotnykh pri propashnoi sisteme zemledeliaia. Mo-
skva, Sel'khozizdat, 1963. 133 p. (MIRA 16:8)

1. Nauchnye sotrudniki Altayskogo nauchno-issledovatel'skogo
instituta sel'skogo khozyaystva (for Vishnyakov, Yanchilin,
Abramochkin, Gusev).

(Feeding) (Feeds)

IVANOV, P., podpolkovnik

Upkeep of ferrying operations on a broad river during the night.
Voen.-inzh. zhur. 102 no.6:27-28 Je '58. (MIRA 11:6)
(Stream crossing, Military)

IVANOV, P.

VOLKOV, Ye., podpolkovnik; IVANOV, P., podpolkovnik.

Blindages and shelters with standard frames. Voen-inzh.shur. 101
no.9:18-23 S '57. (MLRA 10:9)
(Fortification, Field)

82960
S/018/60/000/01/01/001

13.4000

AUTHOR:

Ivanov, P., Captain Engineer

TITLE:

On Telemechanization of Training Equipment

PERIODICAL: Voyenny Vestnik, 1960, No 1, pp 75 - 79

TEXT: The author stresses the importance of telemechanization for training equipment. Remote-control instruments are based on electromagnetic relays, sometimes on intermediate control relays connected to the control point, e.g., the "Relay-Attachment" designed by Captain I. Mazur and described on Page 80. In remote control, every executing mechanism has its own communication line, e.g., the long distance target control type ACO (ASO) which, however, is unsuitable for greater distances. The best solution so far are telemechanical controls of simple design, inexpensive and suitable for the control of massed and dispersed fire arms. Research has shown that the frequency method is the most economical and effective of all. Its comparatively limited use is caused by a lack of reliable and inexpensive selectors. The Institut mashinovedeniya i avtomatiki Akademii nauk SSSR (Institute of Mechanical Engineering and Automation of the AS USSR) has designed several

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IVANOV, P., inzhener-mayor

For devices used in military automatic control systems. Voen. vest.
41 no.2:105-107 F '62. (MIRA 15:3)
(Electric relays)

IVANOV, P., dots.

The hundredth anniversary of the Czechoslovak Society of
Mathematicians and Physicians. Mat i fiz Bulg 5 no.3:49-51
My-Je '62.

1. Chlen na Redaktsiennata kolegia i redaktor, "Matematika
i fizika".

IVANOV, P. (Sofiya)

Teaching mathematics in secondary technical schools of the Bulgarian
People's Republic. Mat.v shkole no.4:74-80 Jl-Ag '62.
(MIRA 15:11)
(Bulgaria--Mathematics--Study and teaching)

S/262/62/000/021/002/003
E194/E435

AUTHORS: Ivanov P., Barishman, E.

TITLE: Automatic control of running-in of an engine

PERIODICAL: Referativnyy zhurnal. Otdel'nyy vypusk.
42. Silovyye ustavki, no.21, 1962, 52,
abstract 42.21.311. (Avtomob. transport., no.1, 1962,
27-29)

TEXT: The operation and schematic diagram of an installation developed in TsNIIIME are described. The equipment automatically records changes in friction loss and adjusts the engine speed and load to the next set of conditions required. The equipment can be used to select the optimum running-in conditions for any engine and makes the running-in process automatic.

[Abstracter's note: Complete translation.] ✓

Card 1/1

IVANOV, P., prof.

Increasing the butter content in milk. Priroda Bulg 12 no.2:
12-18 Mr-Ap '63.

IZMIRLIEV, At.; IVANOV, P., inzh.

News at the International Fair in Brno, 1963. Mashinostroenie
12 no. 11:38-41 N '63.

1. Gl. redaktor i chlen na Redaktsionnata kolegiia, "Mashin-
ostroenie" (for Izmirliev).

ARSOV, IA., inzh.; IVANOV, P., inzh.; STOIANOV, N., inzh.; BALKANDZHIEV, R.,
inzh.

A method in determining heat-accumulating capacity of molding
mixtures. Mashinostroenie 12 no.6:25-27 S '63.

IVANOV, P., dots.

Bulgarian Society for Physics and Mathematics in the building
of socialism in Bulgaria. Nauch zhivot 6 no.1+17 Mr-Ap'63

1. Predsedatel na TsR na Bulgarskoto fiziko-matematichesko
druzhestvo.

IVANOV, P., dots.

Teaching and development of mathematics in Bulgaria. Pt. 1.
Mat i fiz Bulg 7 no. 1: 39-45 Ja-F '64.

1. Gl. redaktor, "Matematika i fizika".

IVANOV, P., dots.

Teaching and development of mathematics in Bulgaria. Pt. 2.
Mat i fiz Bulg 7 no. 2:33-39 '64.

1. Chief Editor and Member of the Board of Editors, "Matematika i fizika."

IVANOV, P., dots.

Annual meeting, scientific and pedagogic conferences of the
Bulgarian Society of Physics and Mathematics. Nauchn zhivot 6
no.3:16 -17 Jl. -6 '63.

IVANOV, P.

Changing the system of planning and accounting of expenses for servicing
and repairing automobiles. Avt.transp. 32 no.4:18 Ap '54. (MLRA 7:6)
(Automobiles--Maintenance) (Automobiles--Repairing)

IVANOV, P.

Planning and operational resources of automotive transport organizations. Avt.transp. 35 no.9:3 S '57. (MIRA 10:10)

1.Nachal'nik planovogo otdela Leningradskogo upravleniya avtotransporta.

(Transportation, Automotive)

Ivanov, P.
IVANOV, P.

How to speed up the liquidation of minor automotive transportation units. Avt.transp. 35 no.11:29 N '57. (MIRA 10:12)
(Transportation, automotive)

IVANOV, A.

Results of the operations of the Central Dispatcher Service
in Leningrad. Avt.transp. 39 no.10:34-35 0 '61.
(MIRA 14:10)
(Leningrad--Transportation, Automotive)

L 01854-67 EWT(m)

ACC NR: AP6030316 (A)

SOURCE CODE: UR/0018/66/000/008/0099/0104

AUTHOR: Ivanov, P. (Engineer, Colonel); Poverin, I. (Lieutenant colonel)

ORG: None

TITLE: Reliable shelter protection

27
B

SOURCE: Voyenny vestnik, no. 8, 1966, 99-104

TOPIC TAGS: nuclear warfare, defense installation, fallout shelter / KVS-U fallout shelter

19

ABSTRACT: A general review of various fortified fallout shelters to be used as defense installations in nuclear warfare is presented. The shelters are built in open pits and then covered by a layer of earth 1 to 1.2 m thick. The soil conditions and the execution of earthwork are discussed. The pit, being 2 to 3 m deep, is made large enough for providing sufficient spacings between the walls of the pit and the structure. The bottom of the pit is carefully leveled and the spacings are filled with waterproof materials. The construction and arrangement of a platoon shelter composed of a room (for 4 lying and 6 sitting people) and two covered entrance tambours is described. The needed materials are specified in a table while the shelter dimensions are shown in elevation, plan and sections. The shelter is assembled of standard wood elements fastened together by wires without using nails. The first entrance tambour of a hatch-way type is made of a tubular

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ACC NR: AP6030316

framework covered with canvas. It leads to the intermediary entrance tambour made of standard structural timber. This entrance arrangement is shown in a pictorial cross-section. The process of assembling structural elements is explained by using a pictorial drawing of the shelter. The description also includes the installation of a filter-ventilation device and the insulation of walls and doors. A standard shelter set of KVS-U type assembled of 24 cylindrical elements made of corrugated steel is also described and illustrated. It is equipped with an entrance hatch-way and a periscope arrangement. The process of assembling the elements in an excavated pit is explained. A team of 7 people, by using a bulldozer, can erect the KVS-U shelter in about 3.5 hours. The amount of material and man-hours needed for various operations are tabulated for wood and steel structures. Orig. art. has: 4 figures, 2 tables.

SUB CODE: 13, 15/ SUB DATE: None

Card 2/2 LC

IVANOV, P.

Change the system of shipping goods to the Yakut A.S.S.R. Rech.
transp. 24 no. 5:19-20 '65. (MIRA 18:9)

1. Nachal'nik Lenskogo parokhodstva.

IVANOV, P.

For a more effective lesson in mathematics. Mat i fiz Bulg 7
no.6:6-16 N-D '64.

Ivanov P.

BULGARIA / Farm Animals. Small Horned Stock.

Q-2

Abs Jour: Ref Zhur-Biol., No 23, 1958, 105662.

Author : Ivanov, P., Kostov, S.
Inst : Higher Agricultural Institute "G. Dimitrov",
Zootechnical Faculty.
Title : On the Acclimatization of karakul sheep in
Bulgaria.

Orig Pub: Nauchni tr. Vyssh. selskostop. in-t "G. Dimitrov".
Zootekhn. fak., 1956, 6, 473-497.

Abstract: The influence of the new conditions of life upon
the exterior, live weight, milkiness, wool yield
and quality of curls and coats of the Karakul
ewes and rams, imported in 1945 from the Uzbek
SSR (120 ewes and 41 rams), was studied. In the
imported Karakul sheep, the height at withers
was 70 cm., length of the body 68.6 cm., depth

IVANOV. P.

"Contribution to the study of the effect of Bulgarian yoghurt, Lactobacillus bulgaricus, and the acidophilus milk in feeding suckling calves."

p. 141 (Izvestia) Vol. 7, 1956. Sofia, Bulgaria

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, no. 5 May 1958

IVANOV, E. ; KOSTOV, S.

"Feeding calves with large rations of colostrum."

p. 175 (Izvestia) Vol. 7, 1956. Sofia, Bulgaria

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, no. 5, May 1958

BULGARIA/Farm Animals - Cattle.

Q-2

Abs Jour : Ref Zhur - Biol., No 1, 1959, 2649

Author : Ivanov, P.

Inst : -
Title : New Stage of Breeding Work on the Creation of Bulgarian
Red Cattle.

Orig Pub : Selkosttop. mis"l, 1957, 2, No 12, 740-747.

Abstract : The work on creating this breed is being conducted in a
number of regions on 5-6 breeds (Red Sadovskaya, Red
Steppe Ukrainian, Montafonskaya, Simmentaler, various
hybrids, and others). The herd is composed of 17.28% of
animals below the 2nd class. For 546 cows of the Plovdi-
vskiy State Breeding Farm, the fat content in milk amounts
to 3.67%; and for 1,495 cows in the Varna State Breeding
Farm, it amounts to 3.70%. The desirable type of cattle
are dairy-beef ones with a live weight of no less than

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IVANOV, P., and others.

Repeated sheepshearing, an important measure for raising the production of wool
in Bulgaria. p.9.
(LEKA PROMISHLENOST, Vol. 6, no. 3, 1957, Sofia, Bulgaria.)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 12, December 1957 Uncl.

Card 1/1

BULGARIA / Farm Animals. General Problems.

Q-1

Abs Jour: Ref Zhur-Biol., No 23, 1958, 105617.

Author : Platikanov, N., Ivanov, P., Ignatov, Ig.
Inst : Institute of Animal Husbandry, Bulgarian AS.
Title : Development of Animal Husbandry (in Bulgaria)
and Measures for Its Further Advancement.

Orig Pub: Izv. In-ta zhivotnov"dstvo, B"lg. AN, 1957, kn. 8,
10-36.

Abstract: No abstract.

Card 1/1

BULGARIA/Farm Animals. Sheep and Goats.

Q

Abs Jour: Ref Zhur-Biol., No 17, 1958, 78758.

Author : Ivanov, Petko.
Inst : Institute of Animal Breeding, Bulgarian AS.
Title : Crossbreeding of Sheep of the Copper- Red
Shumen Breed with Fine-Wool Rams.

Orig Pub: Izv. In-ta zhivotnov"dstvo. B"lg. AN, 1957,
kn. 8, 111-144.

Abstract: In 1946, in the State Agricultural Farm imeni
V. Kolarov, copper-red Shumen sheep were crossed
with rams of the Merino breed. Hybrids of the
first generation were inbred. In the copper-
red Shumen sheep, average live weight was 43.80
kg, average annual wool shearing 3.2 kg, thickness

Q

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IVANOV, P.

"Effect of the mountain pastures on the development of the young cattle."
p. 139 (Izvestiia, Vol. 9, 1958, Sofia, Bulgaria).

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 12, Dec. 58.

IVANOV, P.

"Results from crossbreeding local sheep with Karakul rams."
p. 2.1 (Izvestiia, Vol. 9, 1958, Sofia, Bulgaria).

Monthly Index of East European Accessions (EEAI) LC, Vol. 7. No. 12, Dec. 58.

IVANOV, P.; KOSTOV, S.; ZAKHARIEV, Z.

Breeding calves in semienclosed barns during winter. p. 113.

IZVESTIIA. Sofia, Bulgaria, Vol. 10, 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 9, No. 2,
February, 1960. Uncl.

IVANOV, P.

Double shearing of sheep. p. 227.

IZVESTIJA. Sofia, Bulgaria, Vol. 10, 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 9, No. 2,
February, 1960. Uncl.

IVANOV, P., prof.

International Conference on Increasing the Milk and Meat Productivity
of Cattle. Spisanie BAN 5 no.3:46-52 '60. (EEAI 10:5)
(Cattle)

IVANOV, P., prof.; KOSTOV, St., dots.

International symposium on raising cattle free in semi covered
cattle sheds. Spisanie BAN 6 no.1:86-91 '61.
(EBAI 10:9/10)

(Stock and stockbreeding)

- series, *Entomologist*, Vol. 16, No. 4, April 1931.

 1. "An Improved Type of Tent for Dried Alfalfa," *Franklin Research Station Bulletin*, No. 10, Franklin Research Station, Philadelphia, Pennsylvania, pp. 2-4.
 2. "Our Experience with Preserving Green Alfalfa with Sodium Metabisulfite," *Franklin, Chairman of the Special Committee, Cooperative Farm in Imperial*, pp. 5-8, Based to Commercial.
 3. "For the Correct Distribution and Consolidation of Poultry Production in the Cooperative Farms," *Franklin Research Station, Junior in Scientific Collaboration, Franklin, Agricultural Scientific Research Institute*, (U.S.A.), pp. 9-11.
 4. "The Influence of the Age of Boars for Breeding Purposes on Some of Fair Productive Characteristics of Pigs," *Franklin Research Station, National Agricultural Standard Institute*, and "National State Farm"; Proceedings, Senior Zoologists, U.S.A., Baltimore, pp. 13-17.
 5. "Controlled Mechanization of Animal Husbandry," *Franklin Research Station, National Agricultural Standard Institute*, Baltimore, Paleontologist at the V.I.P. Agricultural Cooperative Farm, pp. 18-22.
 6. "Many Paths Lead to Cheap Production," *Franklin Research Station, National Agricultural Standard Institute*, Dairymen, Chairman of the Order of Poultry (Belorussian Order), older or people's representative, as told by Dr. B. GORELICH, pp. 23-25.
 7. "The Daily Productivity of Danish and Draft Horses," *In the Cultural Education Agricultural Group, Franklin Scientific Junior Scientific Collaborator, Livestock, Scientific Research Institute, Roslavl*, pp. 25-30.
 8. "Breeding as a Factor in breeding," *Professor Peško Rostov*, pp. 30-34.
 9. "Our experience with breed improvement," *Petrikov*, Director of the breed improvement station, Avtola Station, pp. 35-39.

1/2

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000619110019-3"

IVANOV, P., prof.

Production and utilization of nutrient mixtures for the feeding of various domestic animals. Spisanie BAN 7 no.1/2:112-117 '62.

IVANOV, P.; KULPE, E.

An international symposium on cattle and swine breeding
according to different methods. Selskostop nauka 2 no. 3/4
465-470 '63.

IVANOV, Petko, prof.

Crossing with the Jersey breed in Hungary, and lessons for
Bulgarian cattle breeders. Priroda Bulg 13 no.3:46-51 My-je
'64.

1. Corresponding Member of the Bulgarian Academy of Sciences.

VANOV, P.

Investigation of the Melting Process in Large Open-Hearth Furnaces with a Deep Bath. P. Ivanov and L. Kataev. (Stal, 1939, No. 2, pp. 13-17). (In Russian). The experimental data discussed in this article were obtained from open-hearth furnaces ranging from 120 to 400 tons in capacity and with a depth of bath of from 900 to 1700 mm. The following factors which affect the rate of elimination of the carbon were studied: (1) Depth of bath, (2) thermal capacity of the furnace, (3) composition and properties of the slag, and (4) the effect of manganese. The chief factor which lowers the rate of elimination of the carbon as the depth of the bath is increased is the reduction in the reactive surface area of the bath per unit weight of charge. This may be counteracted by increasing the rate of heat supply to the furnace, which will favour elimination of the carbon by raising the rate of diffusion of the ferrous oxide from the slag into the metal. The fluidity of the slag should be increased by increasing its basicity. Finally, ferro-manganese should not be added during the boil, as this lowers the rate of carbon elimination.

ASSISTA METALLURGICAL LITERATURE CLASSIFICATION

CLASSIFICATION	SECTION	ITEM	CLASSIFICATION	SECTION	ITEM
100	100	100	200	200	200

IVANOV, P.

5

Improvement in Quality of Rails by Sorbitisation (Experience of the Kertch Works). V. Datta and P. Ivanov. (Stal, 1930, No. 6, June, pp. 67-77). The thermal treatment of rails (sorbitisation) makes it possible to obtain a tensile strength greater than 90 kg. per sq. mm. for the upper part of the rail (8-10 mm. thick) without affecting the toughness of the rail as a whole. It is preferable to increase the tensile strength by sorbitisation rather than by increasing the carbon content, because the first-mentioned method does not reduce the limit of proportionality. (In Russian).

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000619110019-3"

IVANOV, R.

S

The Optimum Conditions for the Refining of Steel. P. Ivanov (Stal, 1939, No. 9, pp. 23-28). (In Russian). The author discusses the effect of three factors which are considered to have a decisive influence on the quality of the steel produced, namely, the mean rate of elimination of the carbon, the duration of the boil and the nature of the carbon elimination curve. Depending on the conditions of melting, all these three factors should be given definite values. In addition, they should be placed in a definite relationship to the duration of the so-called "pure boiling," i.e., the period of boiling under normal non-frothing slags covering not less than two-thirds of the surface of the metal bath.

AMERICA METALLURGICAL LITERATURE CLASSIFICATION

IVANOV, P.

Damage to boilers welded with T-joints. Mor.flot 15 no.4:16-17
Ap '55. (MIRA 8:5)
(Steam boilers, Marine--Welding)

IVAHOV, P.(Dnepropetrovsk)

Metal workers' conferences on production, Sov.profsoiuzy 4 ne.3:59-61
Mr '56. (MLRA 9:7)

1.Predsedatel' komiteta profsoyuza martenovskogo tsekha №.3 zaveda
imeni Petrevskogo.
(Dnepropetrovsk--Metal industries) (Works councils)

IVANOV, P.

Mechanization of the work in our foundries.

P. 2, (Teshka Promishienost) Vol. 6, no. 4, Apr. 1957, Sofia, Bulgaria

SO: Monthly Index of East European Accessions (EEAI) Vol. 6, No. 11 November 1957

IVANOV, P.

Conference on casting metals in the German Democratic Republic.

p. 45 (TEZHKA PROMISHLENOST) Vol. 6, no. 6, June 1957,
Sofia, Bulgaria

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 3,
March 1958

DZHIDZHEV, Iord.; IVANOV, P.; MIKHOVSKI, K.

New binders for metal casting, based on beech asphalt.
Mashinostroene 11 no.5:21-24 My '62.

IVANOV, P., inzh.; IZMIRLIEV, Atanas

New machine tools manufactured in the German Democratic Republic exhibited at the Leipzig Spring Fair. Mashinostroenie 11 no.5:37-41 My '62.

1. Chlen na Redaktsionnata kolegiia i glaven redaktor,
"Mashinostroenie" (for Izmirliev).

IVANOV, P., inzh.

A meeting for the exchange of experiences on the chill casting of iron. Mashinostroene 11 no. 5:44-45 My '62.

DZHIDZHEV, Iordan, inzh.; IVANOV, Petko, inzh.; ANGELOV, Georgi, inzh.

The Dimitrovgrad bentonite as binding material in metal casting. Tekhnika Bulg 11 no.5:177-180 '62.

IVANOV, P., inzh.

International Conference on Welding; Varna, May 28-30, 1963.
Mashinostroenie 12 no.7:43-44 Jl '63.

IVANOV, P., inzh.; KERVANBASHIEV, St., inzh.; ARSOV, IA., inzh.; RAIKOV,
K., inzh.

A new foundry binder based on bitumen. Meshinostroena 13 no.4:
23-27 Ap '64.

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000619110019-3

IVANOV, P., inzh.

New Czechoslovak metal-cutting tools at the Brno Sample Fair.
Mashinostroenie 13 no.11:42-44 N '64.

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000619110019-3"

DROZDOV, N.; IVANOV, P.; MALAYA, N. (Dnepropetrovsk); ZHUKOVA, S., inzh.
(Novosibirsk); FEDOROVA; PODUSHKO, inzh.

Readers' letters. Inform.biul. VDNKH no.4:14-16 Ap "65.
(MIRA 18:5)

1. Glavnnyy inzh. ozerskogo khlopcatobumazhnogo kombinata
"Rabochiy" (for Drozgov). 2. Glavnnyy inzh. zavoda "Sante-
khpribor", Kazan' (for Ivanov). 3. Glavnnyy inzh. bolshevikskoy
pryadil'noy fabriki imeni 1 Maya (for Fedorova).

IVANOV, Petko, inzh.

By electric train from Sofia to Varna. Nauka i tekhn mladezh
no.10:22-24 0 '57.

IVANOV, Petko, inzh.

Dam construction in the Tertiary deposits. Khidrotekh i melior 7
no.5:145-147 '62.

IVANOV, P., inzh.; ARSOV, IA., inzh.; KERVAMBASHIEV, St., inzh.

A binder for foundry purposes. Tekhnika Bulg 13 no.6:33-34 '64.

ARSOV, IAⁿko, inzh.; IVANOV, Petko, inzh.

Heat-accumulating capacity of some varieties of molding
mixtures. Tekhnika Bulg 13 no.8:3-4 '64.

SEMELEV, N.P., kand.sel'skokhoz.nauk; IVANOV, P.A., red.

[Experience of leading workers in the large-scale introduction
of efficient practices for obtaining increased milk yields;
Ramenskoye District, Moscow Province] Opyt peredovikov po
massovomu razdeleniu korov; Ramenskii raion, Moskovskoi oblasti.
Moskva, Izd-vo "Znanie," 1952. 21 p. (Vsesoiuznoe obshchestvo
po rasprostraneniyu politicheskikh i nauchnykh znanii. Ser.3.)
(MIRA 12:9)

(Ramenskoye District--Dairying)

IVANOV

F A

В. Г. Дубенский,
А. Н. Касим
Прото-автоматизированные приборы для измерения температуры газовоздушных потоков.

А. Н. Корсаков
Некоторые технические применения фазочастотных методов измерения электрических величин.

В. В. Капица,
В. А. Капицова,
Г. И. Косыгина,
Г. А. Ильин
Спектр разработки широковещательного радиометра

Н. С. Степанов
Некоторые приборы для автоматизации производственных процессов института инженерной кибернетики Академии наук ССР

II заседание
(с 18 до 22 часов)

Н. В. Фомин
Широкая разработка концепции СВЧ компьютерной архитектуры для радиорелейных линий.

12

А. М. Прокофьев

Виды новых измерений в радиотехнической промышленности при измерении градиентов приводов измерительных СВЧ в магнитостатиках

В. А. Быков,
В. Н. Баранов,
Д. А. Пальянович

Изучение излучаемой полезностью для измерения времени перегрева

А. Н. Чечуленко

Установка для исследования высокочастотных транзисторов и магнитолитических систем измерительных излучений

Н. Н. Бабкин,
В. В. Левин

Прибор для изучения подвижности количества носителей зарядов в германиевом термопарах в зависимости от температуры

III СЕКЦИЯ ОБЩЕЙ РАДИОТЕХНИКИ

Руководитель Г. А. Аристов

III заседание
(с 10 до 12 часов)

report submitted for the Centennial Meeting of the Scientific Technological Society of
Radio Engineering and Electrical Communications in A. S. Popov (VTSRKh), Moscow,
8-12 June, 1959

IVANOV, P.A.

Cost reduction of geological prospecting operations for building
materials. Razved. i okh. nedr. 22 no.3:32-35 Mr '56.(MIRA 9:7)
(Prospecting)

IVANOV, P.A.

Device for marking pipe coupling at any angle. Rats. i izobr. predl.
v stroi. no.56:10-11 '53. (MIRA 9:7)
(Pipe fittings)

IVANOV, P.A., inzh.

Altering specifications for the design of filling sections and
bottle warehouses. Kislorod 10 no.4:27-28 '57. (MIRA 11:2)
(Oxygen)

IVANOV, P.A.

Dynamo pickup in a bridge circuit. Izv.vys.ucheb.zav.; prib.
2 no.5:32-41 '59. (MIRA 13:5)

1. Gor'kovskiy issledovatel'skiy fiziko-tekhnicheskiy institut.
Rekomendovana uchenym sovetom Fiziko-tekhnicheskogo instituta
pri Gor'kovskom gosudatstvennom universitete.
(Bridge circuits) (Electric measurements)